

ABSTRACT OF THE DISCLOSURE

5 A method of treating neurotransmitter dysfunction in a patient by
administering amino acid precursors in conjunction with laboratory assay of the
neurotransmitters. The method includes the step of administering an amino acid
precursor of a catecholamine in a balanced and effective therapeutic range. The
catecholamine precursor is preferably L-dopa, but may alternatively be tyrosine,
10 D,L-Phenylalanine or an active isomer thereof, and N-acetyl-L-tyrosine or other
amino acid precursor of L-dopa. An amino acid precursor of serotonin in an
effective therapeutic range, is also administered. The serotonin precursor is
preferably 5-HTP, but may alternatively be tryptophan. At least one cofactor is
also preferably administered. Cofactor options include Vitamin B6, Vitamin C,
15 Calcium, Folate, and Cysteine. A method of periodic administration and patient
checking is also disclosed.

20 The following attorney's file path identification forms no part of the disclosure or claims of
this application: \\server01\shared\clients\hinz\serotonin and catecholamine lab testing\us app\usappfiled.doc